FIG. 1

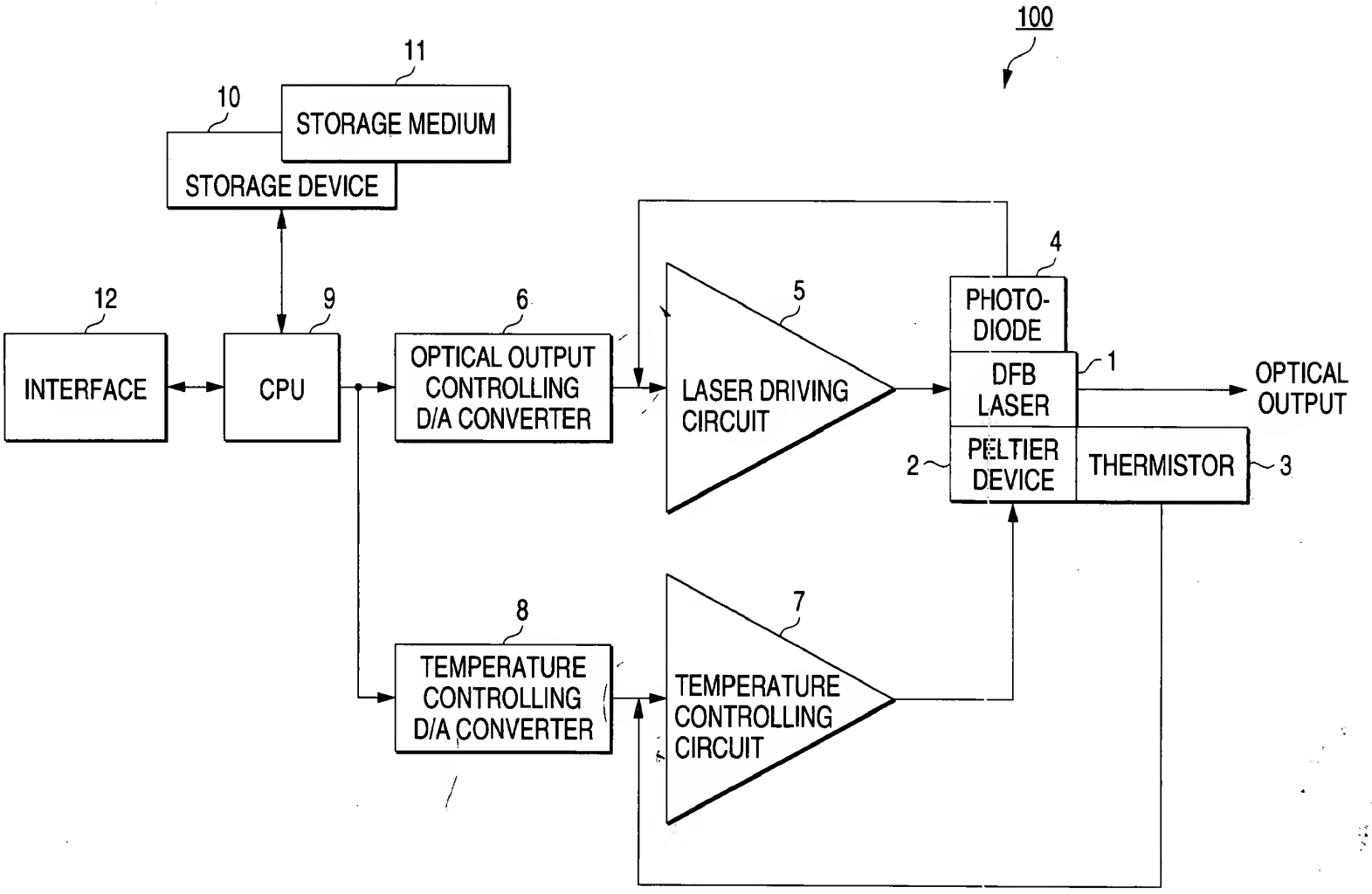

FIG. 2

(A) TEMPERATURE - OPTICAL OUTPUT - WAVELENGTH

	TEMPERATURE 1	TEMPERATURE 2	TEMPERATURE 3	TEMPERATURE 4
OPTICAL OUTPUT 1	WAVELENGTH 1-1	WAVELENGTH 2-1	WAVELENGTH 3-1	WAVELENGTH 4-1
OPTICAL OUTPUT 2	WAVELENGTH 1-2	WAVELENGTH 2-2	WAVELENGTH 3-2	WAVELENGTH 4-2
OPTICAL OUTPUT 3	WAVELENGTH 1-3	WAVELENGTH 2-3	WAVELENGTH 3-3	WAVELENGTH 4-3
OPTICAL OUTPUT 4	WAVELENGTH 1-4	WAVELENGTH 2-4	WAVELENGTH 3-4	WAVELENGTH 4-4

(B) TEMPERATURE - OPTICAL OUTPUT

TEMPERATURE A	TEMPERATURE B	TEMPERATURE C	TEMPERATURE D	TEMPERATURE E
OPTICAL OUTPUT A	OPTICAL OUTPUT B	OPTICAL OUTPUT C	OPTICAL OUTPUT D	OPTICAL OUTPUT E

INPUT SET VALUE
· WAVELENGTH
· OPTICAL OUTPUT

INPUT

CALCULATION (CPU)

CALCULATION OF OPTICAL OUTPUT CONTROLLING VALUE

(1) COLLATE INPUT SET VALUES (OF WAVELENGTH AND OPTICAL OUTPUT) WITH DATA (A) TO CALCULATE APPROXIMATE TEMPERATURE

(2) COLLATE TEMPERATURE CALCULATED IN (1) WITH DATA (B) TO CALCULATE OPTICAL OUTPUT REGULATION VALUE FOR ACHIEVING FLATNESS OF OPTICAL OUTPUT LEVEL

(3) ADD INPUT SET VALUE (OPTICAL OUTPUT) TO OPTICAL OUTPUT REGULATION VALUE CALCULATED IN (2) TO CALCULATE OPTICAL OUTPUT CONTROLLING VALUE

CALCULATION OF TEMPERATURE CONTROLLING VALUE

(4) COLLATE OPTICAL OUTPUT CONTROLLING VALUE CALCULATED IN (3) AND INPUT SET VALUE (WAVELENGTH) WITH DATA (A) TO CALCULATE TEMPERATURE CONTROLLING VALUE

TEMPERATURE CONTROLLING VALUE

6

TEMPERATURE CONTROLLING D/A CONVERTER

OPTICAL OUTPUT CONTROLLING VALUE

8

OPTICAL OUTPUT CONTROLLING D/A CONVERTER

FIG. 3

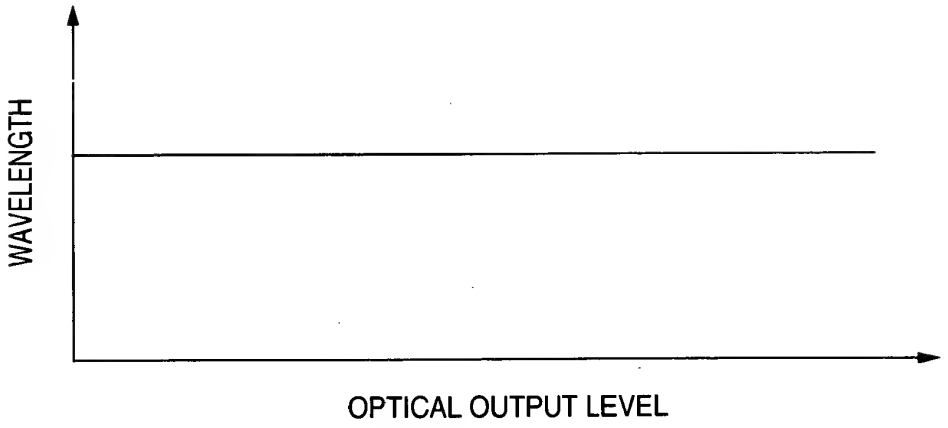

FIG. 4

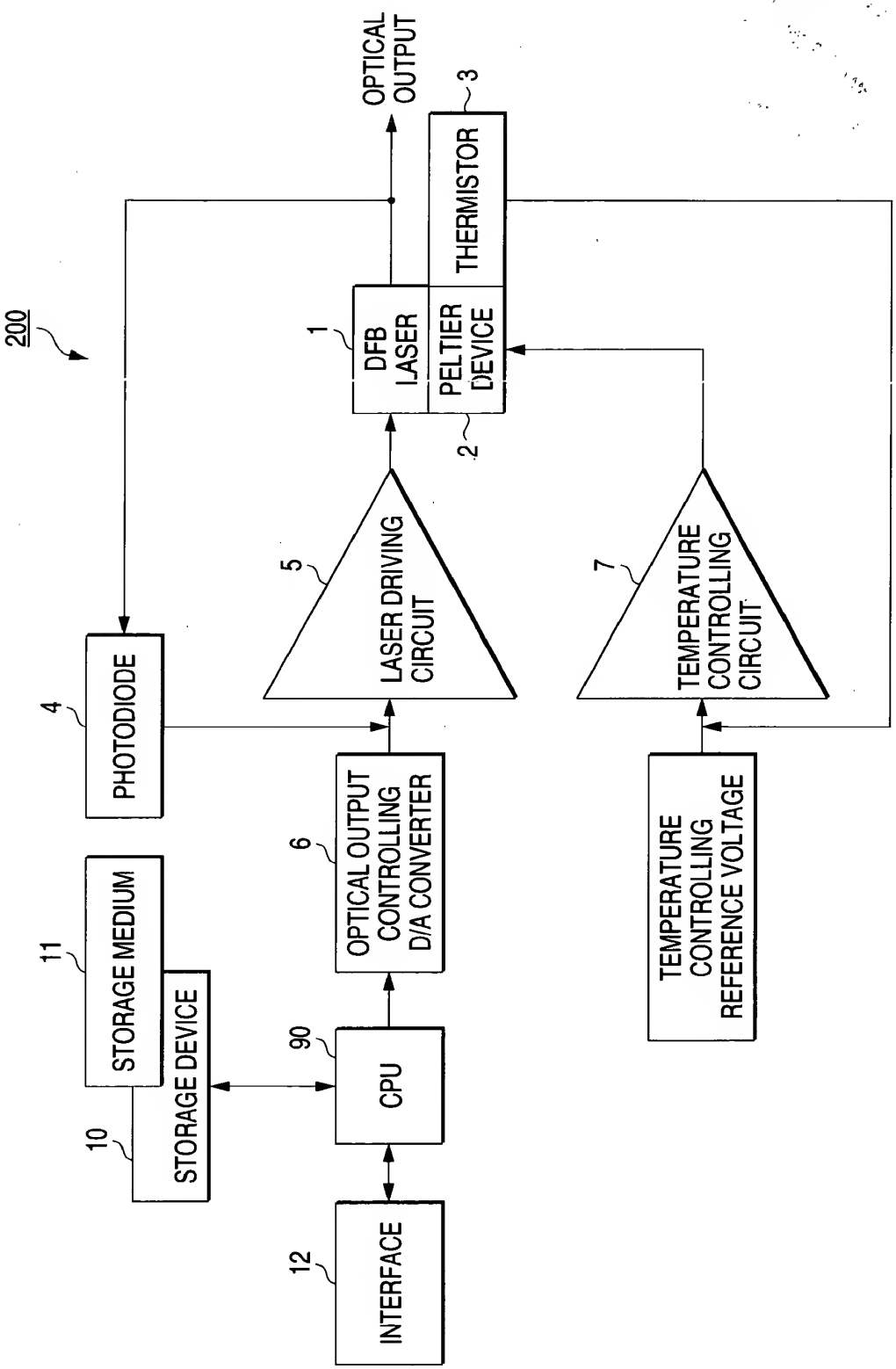

FIG. 5A

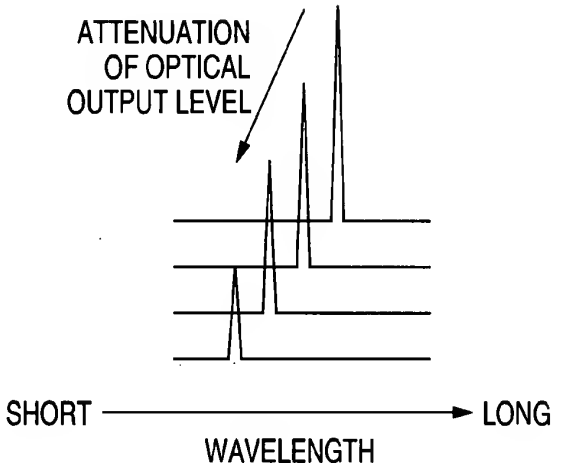

FIG. 5C

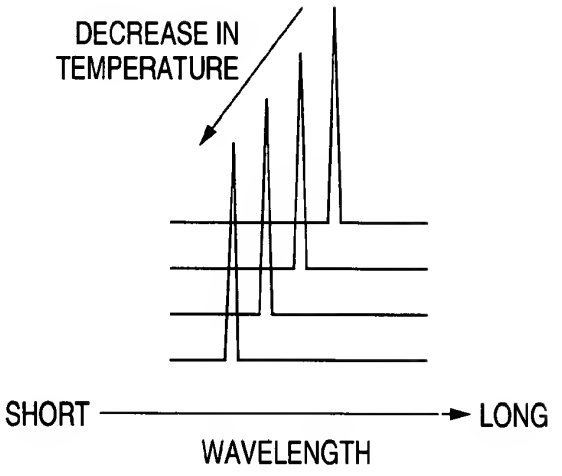

FIG. 5B

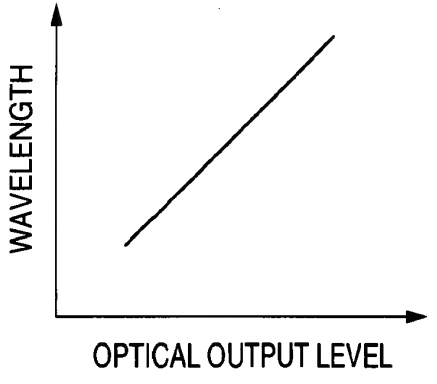

FIG. 5D

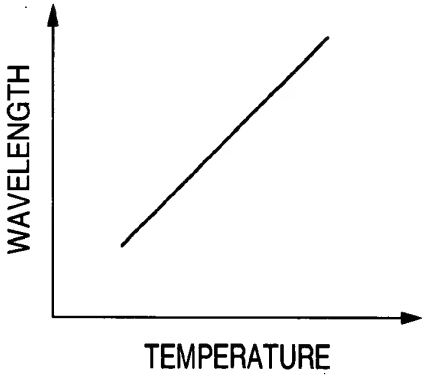

FIG. 5E

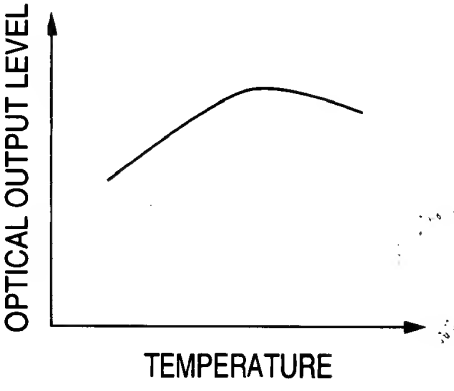

FIG. 6